



**LLNL Climate Modeling Scientific Focus Area Triennial Review
September 5-6, 2012**

Wednesday - September 5

8:30 Welcome and Introductions – Henry Shaw. Deputy Associate Director for Physical and Life Sciences, LLNL

8:45 Charge to the Reviewers – DOE Program Management

9:00 LLNL SFA Program Areas and Overview –Dave Bader

9:30 Cloud, Aerosol, and Chemistry Process Research (40 minutes w/20 minutes for questions) - Steve Klein

10:30 Break

10:45 The Program for Climate Model Diagnosis and Intercomparison (40 minutes w/20 minutes for questions) - Karl Taylor

11:45 Analytics, Informatics, and Management Systems (40 minutes w/20 minutes for questions)- Dean Williams

12:45 Working lunch with LLNL staff, reviewers and DOE program management .

Seminar: “Identifying Human Influences on Atmospheric Temperature: Are Results Robust to Uncertainties?” (45 minutes) - Ben Santer

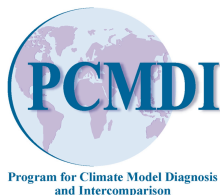
2:00 End Lunch

2:15 “The Asian Summer Monsoon: An Intercomparison of CMIP5 vs. CMIP3 Simulations of the Late 20th Century” (20 minutes w/10 minutes for questions) – Ken Sperber (presenting), H. Annamalai, I.-S. Kang, A. Kitoh, A. Moise, A. Turner, B. Wang, and T. Zhou

2:45 “Human-induced Global Ocean Warming on Multi-decadal Timescales” (20 minutes w/10 minutes for questions) - Peter Gleckler

3:15 Break

3:30 “Improving Consistency between Cloud Parameterizations in Version 5 of the Community Atmosphere Model (20 minutes w/10 minutes for questions)” - Peter Caldwell



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Wednesday - September 5 (continued)

4:00 "Quantifying and Understanding Cloud Feedbacks, Rapid Adjustments, and Biases Using Cloud Radiative Kernels" (20 minutes w/10 minutes for questions) - Mark Zelinka

4:30 End of Day 1

6:00 Working dinner with reviewers and DOE program management

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Thursday - September 6

8:30 Poster session with results from recent work

10:45 LLNL Climate Program Management and Organization - Dave Bader (40 minutes w/ 20 minutes for questions)

12:00 Lunch

1:00 Q&A session – LLNL Leadership Team, Reviewers and Program Management

2:00 Reviewers' Executive Session

Poster Titles

"Analytics, Informatics, and Management Systems (AIMS): Software Development,"
Dean Williams

"PCMDI Scientific Support of Coordinated Modeling Activities," Karl Taylor

"Performance Metrics for Climate Models," Peter Gleckler

"Simplified Metrics for the Identification of the Madden-Julian Oscillation in Models,"
Ken Sperber (presenting) and D. Kim

"Global ocean salinity: CMIP3/5 vs Observed Change Estimates of a
Strengthened Water Cycle," Paul Durack

"On the Influence of Shrub Height and Expansion on Northern High Latitude
Climate," Celine Bonfils

"What Controls the Vertical Extent of Convective Clouds Over Land? - Inferences
from Observations of Diurnal Cycle at the ARM SGP Site," Yunyan Zhang
(presenting) and Steve Klein

"Regional Assessment of the Parameter-Dependent Performance of CAM4 in
Simulating Tropical Clouds: Applying PCMDI Metrics to the UQ Ensembles," Yuying
Zhang

"Utilizing CAPT and COSP to Analyze Arctic Clouds in CAM4 and CAM5," Neil Barton
(presenting) Steve Klein, Jim Boyle, and Yuying Zhang

"Controls on Low-cloud Cover in Simulated Climate Change," Xin Qu, Alex Hall and
Steve Klein (presenting)

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Poster Titles (Continued)

“On the Correspondence between Short- and Long-Timescale Systematic Errors in CAM4/CAM5 – A Contribution from CAPT,” Shaocheng Xie

“ CMIP3 Subtropical Stratocumulus Feedback Interpreted Through a Mixed-Layer Model,” Peter Caldwell

“Development of a Sectional Aerosol Microphysics Model and Evaluation of Aerosol/Cloud Interactions in CAM”,” Cathy Chuang

"Methane and Abrupt Climate Change," Philip Cameron-Smith (presenting), Subarna Bhattacharyya, and Daniel Bergmann.